

TOLLIP Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11498**Specification**

TOLLIP Antibody (C-Terminus) - Product Information

Application	ICC, WB, IHC
Primary Accession	Q9H0E2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30kDa KDa

TOLLIP Antibody (C-Terminus) - Additional Information**Gene ID** 54472**Other Names**

Toll-interacting protein, TOLLIP

Target/Specificity

16 amino acid peptide from near the carboxy terminus of human TOLLIP

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

TOLLIP Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TOLLIP Antibody (C-Terminus) - Protein Information**Name** TOLLIP**Function**

Component of the signaling pathway of IL-1 and Toll-like receptors (PubMed:[10854325](http://www.uniprot.org/citations/10854325), PubMed:[11751856](http://www.uniprot.org/citations/11751856)). Inhibits cell activation by microbial products. Recruits IRAK1 to the IL-1 receptor complex (PubMed:[10854325](http://www.uniprot.org/citations/10854325)). Inhibits IRAK1 phosphorylation and kinase activity (PubMed:[11751856](http://www.uniprot.org/citations/11751856)). Connects the ubiquitin pathway to autophagy by functioning as a ubiquitin-ATG8 family adapter and thus mediating autophagic clearance of ubiquitin conjugates (PubMed:[25042851](http://www.uniprot.org/citations/25042851)). The TOLLIP-dependent selective autophagy pathway plays an important role in clearance of cytotoxic polyQ proteins aggregates (PubMed:[25042851](http://www.uniprot.org/citations/25042851)). In a complex with TOM1, recruits ubiquitin-conjugated proteins

onto early endosomes (PubMed:15047686). Binds to phosphatidylinositol 3-phosphate (PtdIns(3)P) (PubMed:26320582).

Cellular Location

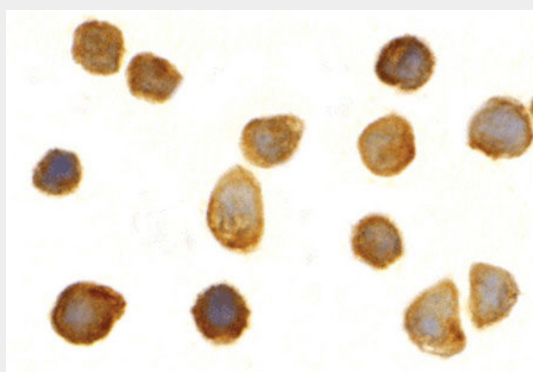
Cytoplasm. Endosome. Early endosome Note=Localized to endo/exosomal vesicles

TOLLIP Antibody (C-Terminus) - Protocols

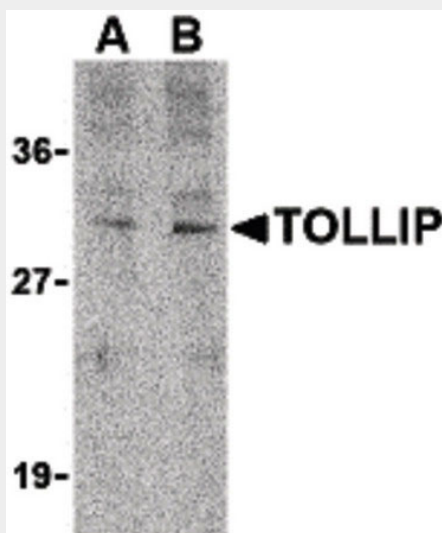
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

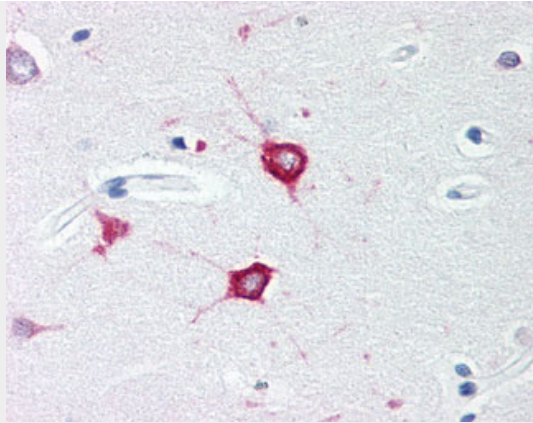
TOLLIP Antibody (C-Terminus) - Images



Immunocytochemistry of TOLLIP in THP-1 cells with TOLLIP antibody at 2 ug/ml.



Western blot of TOLLIP in rat brain cell lysate with TOLLIP antibody at (A) 1 and (B) 2 ug/ml.



Anti-TOLLIP antibody IHC of human brain, cortex.

TOLLIP Antibody (C-Terminus) - Background

Component of the signaling pathway of IL-1 and Toll-like receptors. Inhibits cell activation by microbial products. Recruits IRAK1 to the IL-1 receptor complex. Inhibits IRAK1 phosphorylation and kinase activity (PubMed:11751856). Connects the ubiquitin pathway to autophagy by functioning as a ubiquitin- ATG8 family adapter and thus mediating autophagic clearance of ubiquitin conjugates. The TOLLIP-dependent selective autophagy pathway plays an important role in clearance of cytotoxic polyQ proteins aggregates (PubMed:25042851).

TOLLIP Antibody (C-Terminus) - References

Burns K.,et al.Nat. Cell Biol. 2:346-351(2000).
Wiemann S.,et al.Genome Res. 11:422-435(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).
Zhang G.,et al.J. Biol. Chem. 277:7059-7065(2002).